RF Exposure Report

Report No.: AGC04067200306FH03

APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Fluffy Wireless Charger
BRAND NAME	:	N/A
MODEL NAME	:	GR480024
APPLICANT	:	Gift Republic
DATE OF ISSUE	:	Apr. 29, 2020
STANDARD(S)	:	KDB680106 D01 RF Exposure Wireless Charging Base App v03
REPORT VERSION	:	V1.0

Attestation of Global Compliance(Shenzhen) Co., Ltd

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Apr. 29, 2020	Valid	Initial Release

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1. VERIFICATION OF CONFORMITY

Applicant	Gift Republic
Address	4 Lyon Road London I SW19 2RL, UK
Manufacturer	MSC Production Ltd
Address	RM1905, 19/F, Nan Fung Centre, 264-298 Castle Peak Road, Tsuen Wan, NT, Hong kong
Factory	MSC Production Ltd
Address	RM1905, 19/F, Nan Fung Centre, 264-298 Castle Peak Road, Tsuen Wan, NT, Hong kong
Product Designation	Fluffy Wireless Charger
Brand Name	N/A
Test Model:	GR480024
Date of test	Mar. 30, 2020 to Apr. 24, 2020
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance(Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in KDB680106 D01.

The results of testing in this report apply to the product/system which was tested only.

Prepared By	John Zeng Project Engineer	Apr. 24, 2020
Reviewed By	Max Zhang Reviewer	Apr. 29, 2020
Approved By	Forrest Lei Authorized Officer	Apr. 29, 2020

2. GENERAL INFORMATION

2.1.PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	116-174kHz
Test Frequency	126.4kHz
Maximum field strength	53.71dBuV/m(PK)@3m
Number of channels	1
Antenna Designation	Coil Antenna (Met 15.203 Antenna requirement)
Hardware Version	1.0
Software Version	1.0
Power Supply	DC 5V by adapter
Note: The EUT is equipped with two adapters, both have been assessed and only the worst test data of adapter recorded in this report	

3. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Wireless charging Mode(Full load)
2	Wireless charging Mode(Half load)
3	Wireless charging Mode(Null load)
Note: 1. The mode 1 was the worst case and only the data of the worst case record in this report.	

4. SYSTEM TEST CONFIGURATION

Item	Equipment	Model No.	ID or Specification	Remark
1	Fluffy Wireless Charger	GR480024	2AP24-GR480024	EUT
2	Adapter	DYS618-19094W-1	DC 5V	AE
3	Adapter	KT05W050100USU	DC 5V	AE
4	Wireless load	N/A	5W	AE
5	USB Cable	N/A	1.2m Unshielded	Accessory

5. TEST FACILITY

TestSite	Attestation of Global Compliance(Shenzhen) Co., Ltd
Location	1-2/F,Building19,JunfengIndustrialPark,ChongqingRoad,HepingCommunity,FuhaiStreet,Bao'anDistrict,Shenzhen,Guangdong,China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT LIST

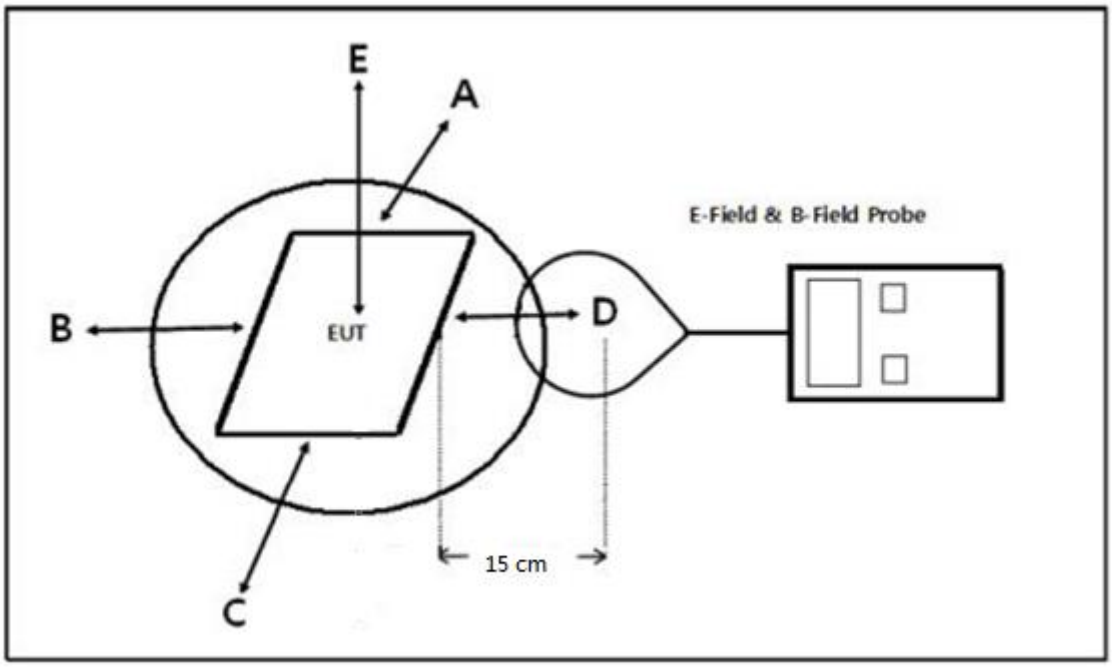
Description	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Broadband Field Meter	Narda Safety Test Solutions GmbH	NBM-550	J-0004	Jun.12,2019	Jun.11,2020
Probe FHP	Narda Safety Test Solutions GmbH	EHP-50F	J-0015	Jun.12,2019	Jun.11,2020

6. RADIO FREQUENCY(RF) EXPOSURETEST

6.1. LIMITS

For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

6.2. TEST SETUP



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance);

6.3. TEST PROCEDURE

The EUT was placed on a non-conductive table top and the ancillary equipment (e.g.mobile phone) was placed on the EUT for charging.

Maximum E-field and H-field measurements were tested 15cm from each side of the EUT. For top side the measure distance is 20cm.

Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

6.4. TEST RESULT

Test condition: Mode 1

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
126.4kHz	1.01	1.02	1.02	1.03	1.54	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
126.4kHz	0.57	0.48	0.51	0.48	0.64	1.63

Test condition: Mode 2

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
129.7kHz	0.84	0.86	0.84	0.85	0.97	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
129.7kHz	0.28	0.26	0.31	0.28	0.45	1.63

Test condition: Mode 3

E-field strength test result:

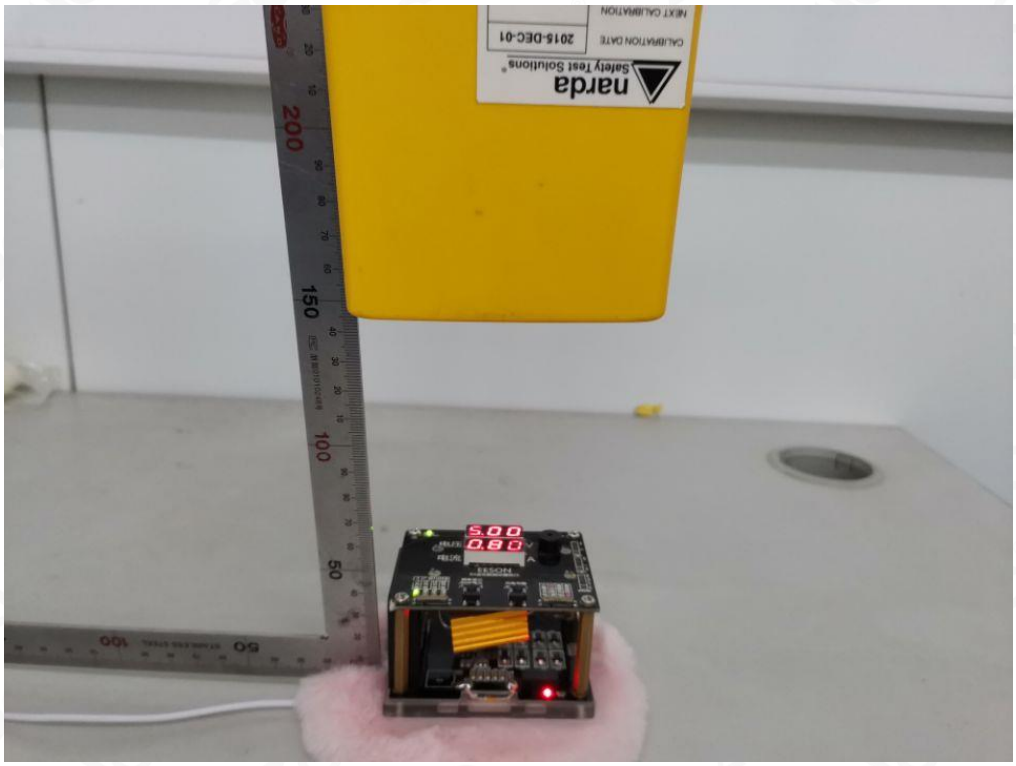
Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
133.6kHz	0.67	0.65	0.66	0.64	0.75	614

H-field strength test result:

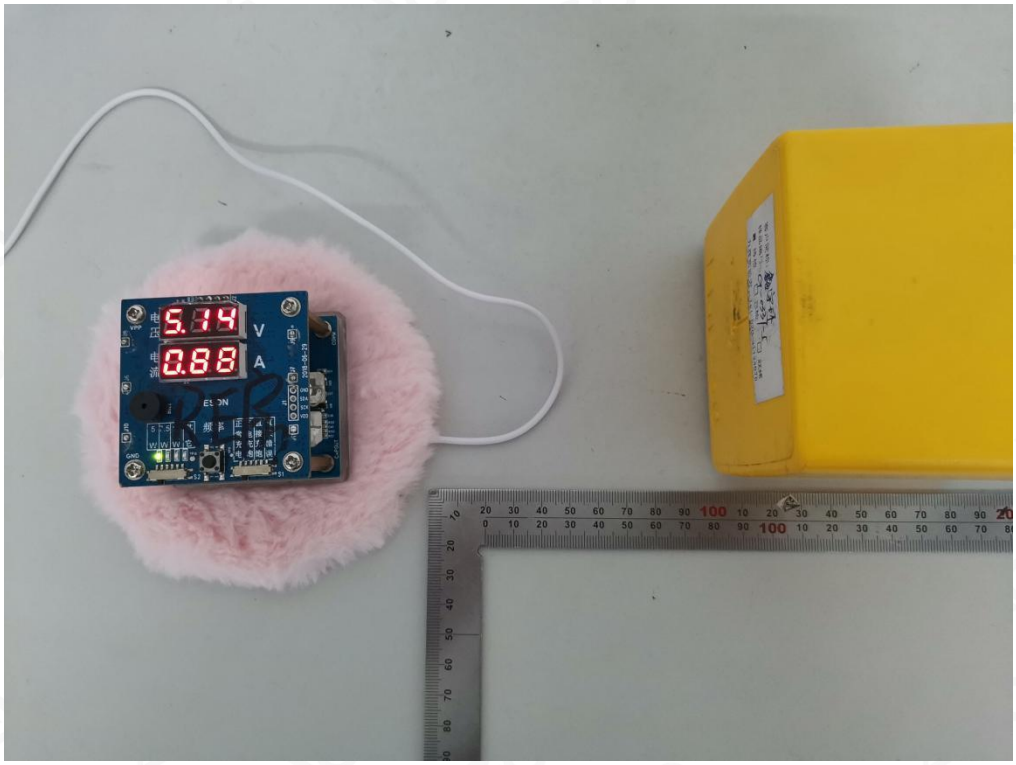
Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
133.6kHz	0.12	0.11	0.10	0.12	0.14	1.63

APPENDIX A:PHOTOGRAPHS OF TEST SETUP

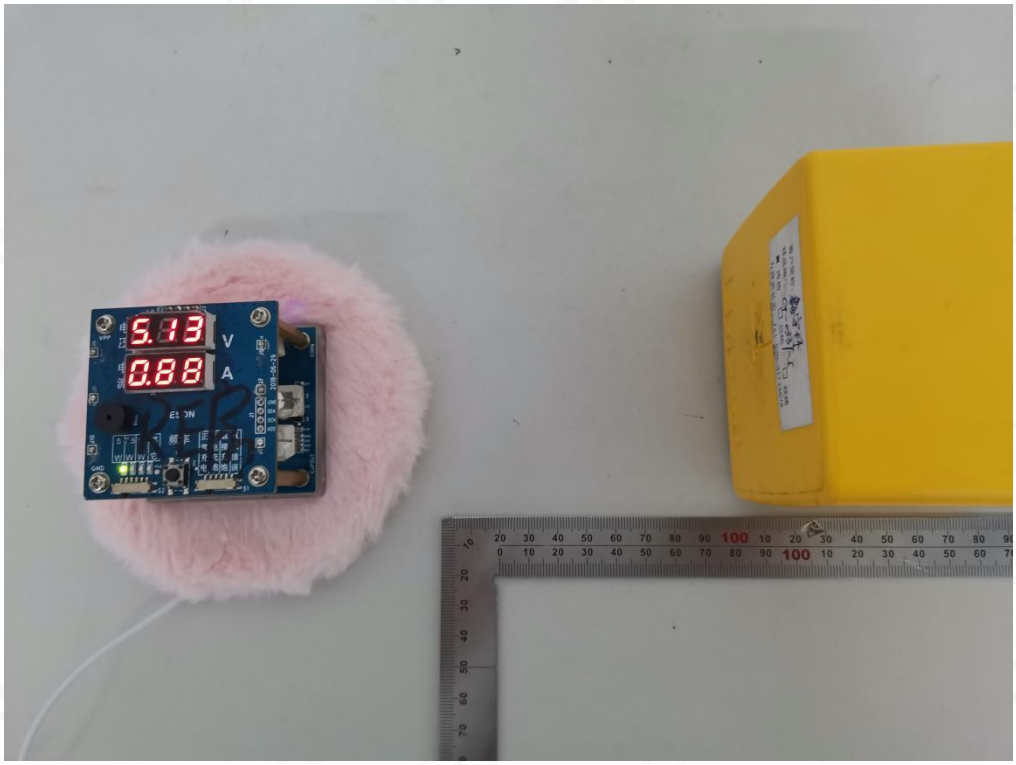
Position E



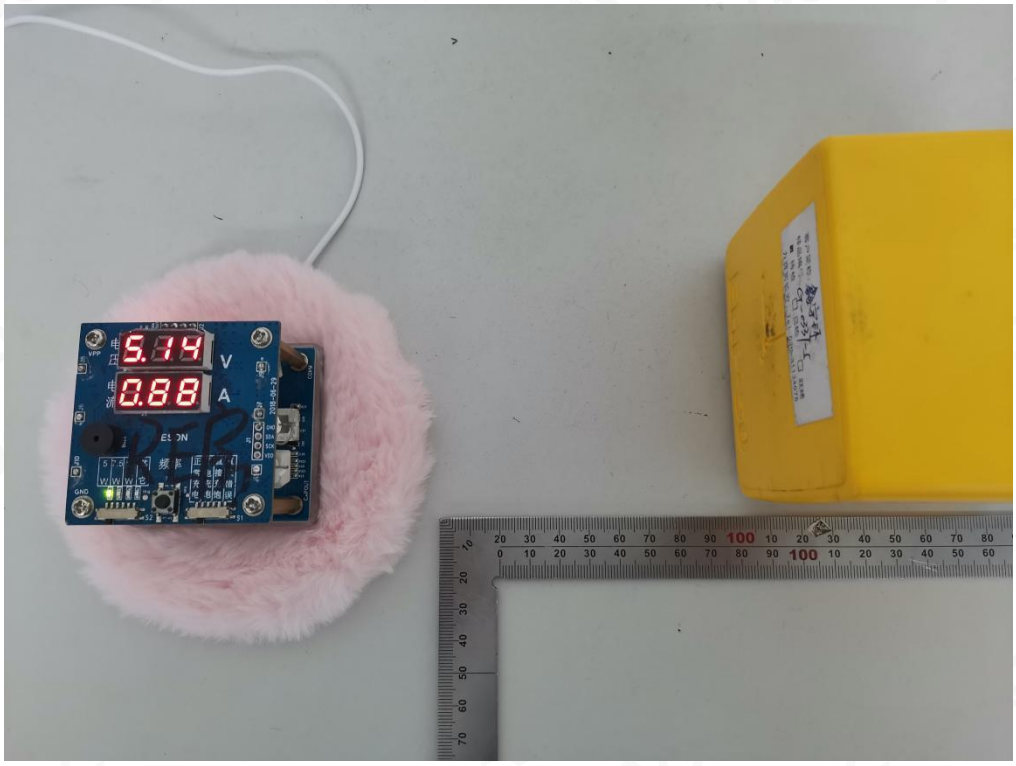
Position A



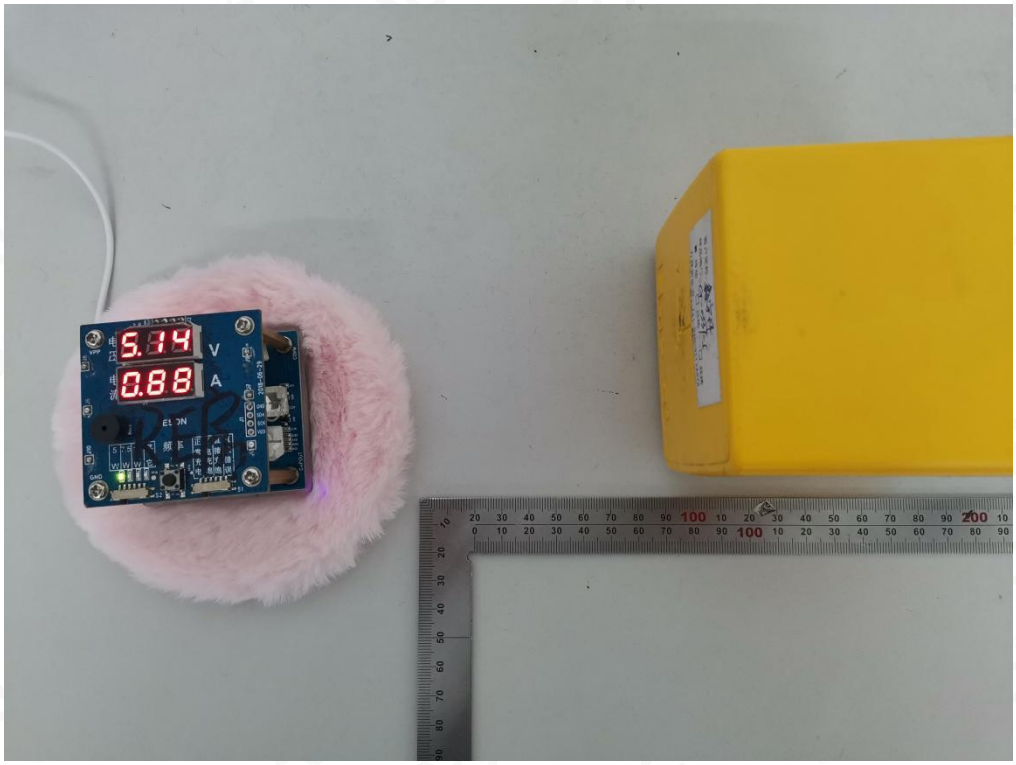
Position B



Position C



Position D



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